INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)

ATTY. DOCKET NO. 50277-2248 SERIAL NO. 10/643,629

APPLICANT: Wei Li, et al.

FILING DATE: August 18, 2003 **GROUP:** 2166

Cite No.1	U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where
	Number	Kind Code ² (If known)		MM-DD-YYYY	Relevant Passages or Relevant Figures Appear
	6,832,216	B2	Shintani et al.	12-14-2004	
	6,993,534	B2 -	Denesuk et al.	01-31-2006	
	6,996,551	B2	Hellerstein et al.	02-07-2006	
	No.1	No.1 Number 6,832,216 6,993,534	No.1 Number Kind Code ² (If known) 6,832,216 B2 6,993,534 B2	No. Number Kind Code ² (If known) of Cited Document 6,832,216 B2 Shintani et al. 6,993,534 B2 Denesuk et al.	No. Number Kind Code Of Cited Document Cited Document MM-DD-YYYY

Exam.	Cite	Fo	reign Patent l	Document	Name of Patentee	or Applicant		Date of	Pages,	Т
Initial*	No.¹	Office3	Number ⁴	Kind Code ⁵ (If known)	of Cited Doo	cument		Publication of Cited Document MM-DD-YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures	
		ļ	1		· · · · · · · · · · · · · · · · · · ·		``		Appear	-

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
•			

والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج			
Examiner	/Mohammad Ali/	Date Considered	01/03/2007
Signature	/		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

	OIP	IATION DISC IN AN APPL (PTO-1	ICATIO	_	ATTY. DOCKET 50277-2248 APPLICANT: Wei Li, et al.	NO.	SERIAL NO. 10/643,629
THE REAL PROPERTY.	2 7 700			I S DATENT DOCL	FILING DATE: August 18, 2003	3	GROUP: 2176
Exam. Initial*	Cite No.'	U.S. Patent Docu		Name of Patente Of Cited Do	or Applicant	Date of Publication Cited Documen MM-DD-YYYY	Lines, Where
MA		2006/0004807	Al	Thierry Crua	anes, et al.	01-05-2006	

				F(DREIGN PATENT DOCUMENTS			
Exam.	Cite	Fo	reign Patent l	Document	Name of Patentee or Applicant	Date of	Pages,	Т ⁶
Initial*	No.¹	Office ³	Number ⁴	Kind Code ⁵ (If known)	of Cited Document	Publication of Cited Document MM-DD-YYYY	Columns, Lines, Where Relevant Passages or	•
				;		·	Relevant Figures Appear	
								1

		OTHER ART – NO PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
	<u> </u>		

Examiner Date Considered	
	01/02/0001
Signature /Mohammad Ali/	01/03/2007
organiture .	, ,

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

INF	ORM OCT 17	ATION DIS	SCLOSURI PLICATIO D-1449)	E CITATION ON	ATTY. DOCKET 50277-2248 APPLICANT: Wei Li, et al.	NO.		RIAL NO. 643,629
MERK	· ·				FILING DATE: August 18, 2003	3	GRC 217	
	ALC: N			U.S. PATENT DOCU	MENTS			
Exam. Initial*	Cite No.	U.S. Patent	Document Kind Code ² (If known)	Name of Patentee of Cited Do		Date of Publication Cited Document MM-DD-YYYY		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MA		6,453,404	B1	Berezny	et al.	09-17-2002	2	

Exam.	Cite	Fo	reign Patent l	Document .	Name of Patentee or Applicant	Date of	Pages,
initial*	No. ¹	Office ³	Number⁴	Kind Code ⁵ (If known)	of Cited Document	Publication of Cited Document MM-DD-YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1			1				

·····		OTHER ART - NO PATENT LITERATURE DOCUMENTS	•
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²

Signature /Mohammad Ali/ Date Considered 01/03/

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next-communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION APPLICATION (PTO-1449)

ATTY, DOCKET NO. 50277-2248

SERIAL NO. 10/643,629

APPLICANT:

Wei Li, et al. FILING DATE: ·

August 18, 2003

GROUP: 2176

U.S. PATENT DOCUMENTS Exam. Cite U.S. Patent Document Name of Patentee or Applicant Date of Publication of Pages, Columns, No.1 of Cited Document Cited Document Lines, Where Initial* Number Kind Code² MM-DD-YYYY Relevant (If known) Passages or Relevant Figures Appear 2005/0149540 07-07-2005 A1 Chan et al. MA

Exam. Cite Fore	Foreign Patent Document		IGN PATENT DOCUMENTS Name of Patentee or Applicant	Date of	Pages,	Т6	
nitial* No.1	Office ³	Number ⁴	Kind Code ⁵ (If known)	of Cited Document	Publication of Cited Document MM-DD-YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					e Translatio		
						•			
					,		0		

Examiner		Date	Considered 01/03/2007
Signature	/Mohammad Ali/		01/03/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). 4For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)					ATTY. DOCKET 50277-2248 APPLICANT: Wei Li, et al.	NO.	SERIAL NO. 10/643,629
JAN JAN					FILING DATE: August 18, 2003		GROUP: 2176
MA	OEMADO			U.S. PATENT DOCU	MENTS		
Exam. Initial*	Cite No.	U.S. Patent Doc Number I	Gind Code ² (If known)	Name of Patentee of Cited Do		Date of Publication Cited Document MM-DD-YYYY	Lines, Where
MA		2004/0225742	Al	Loaiza	et al.	11-11-2004	

Exam. Cite	Cite Foreign Patent Document Name of Patentee or Applicant	Date of	Pages,			
Initial* No.'	Office ³	Number ⁴	Kind Code ^s (If known)	of Cited Document	Publication of Cited Document MM-DD-YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear

		OTHER ART - NO PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
MA		Written Opinion from PCT Patent Application No. PCT/US02/06981 dated October 3, 2004(8 pgs.)	
MA		Current Claims in PCT Patent Application No. PCT/US02/06981 (8 pgs.)	
MA		Office Action from Canadian Patent Application No. 2,448,050 dated October 1, 2004 (2 pgs)	
MA		Current Claims in Canadian Patent Application No. 2, 448,050 (48 pgs)	

Examiner	/Mohammad Ali/	Date Considered	01/03/2007
Signature	/Monanmad All/		01/03/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ¹Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for Form	n 1449A/PTO (Modified) heets as necessary)	Attorney Docket No.: 50277- 2248	Application Number: 10/643,629	
007 .0 8 20	NA SIL	First Named Inventor: Wei Li, et al. Filing Date: August 18, 2003		-
FIGURE TRANS	OTHER ART - NO PATEN	T LITERATURE DOCUMENTS		
Examiner Che Initials* No	Include name of the author (in CAPITAL LE item (book, magazine, journal, serial, sympos	TTERS), title of the article (when appropria		ation ²
МА	WEI LI, et al., "Computing Freque of the 30 th VLDB Conference, Toro	ent Itemsets Inside Oracle 10G", onto, Canada, August 29, 2004, 4	Proceedings pages.	
			· .	
			·	·
	,			
·	·			
		:		
·				
Examiner		Date Conside	red 07 /02 /2007	

Examiner Signature	/Mohammad Ali/	Date Considered	01/03/2007

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)

ATTY. DOCKET NO. SERIAL NO. 50277-2248 10/643,629

APPLICANT: Wei Li et al.

FILING DATE: August 18, 2003 **GROUP:** 2176

Examela Initial	No.	. U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lincs, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)	of Cited Document	MM-DD-YYYY	
MA		5,724,573	•	Agrawal et al.	03-03-1998	
		6,138,117		Bayardo	10-24-2000	
		6,324,533	Bl	Agrawal et al.	11-27-2001	
		6,415,287	B1	Wang et al.	07-02-2002	
\cdot		6,473,757	B1	Garofalakis et al.	10-29-2002	
		6,490,582	B1	Fayyad et al.	12-03-2002	
		6,507,843	B1	Dong et al.	01-14-2003	
		6,567,936	B1	Yang et al.	. 05-20-2003	
		6,665,669	B2	Han et al.	12-16-2003	
V	19	6,760,718	B2	Tamura	07-06-2004	
MA.						
			 			

Exam. Cite	Fe	oreign Patent	Document	Name of Patentee or Applicant	Date of Pages,		т6
Initial* No.	Office3	Number ⁴	Kind Code ⁵ (If known)	of Cited Document	Publication of Cited Document MM-DD- YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	•
	 -	 			·		
							

Examiner		Date Considered	
Signature	/Mohammad Ali/	Date Constacted	01/03/2007
ACVAMPIED I SEL	· · · · · · · · · · · · · · · · · · ·		

[•] EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for Form 1449A/PTO (Modified)	Attorney Docket No.: 50277-2248	Attorney Docket No.: Application Number: 10/643,629		
YE TO SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	First Named Inventor: Wei Li			
OTHER ART - NO PAT	Filing Date: August 18, 2003			
OTHER ART - NO PAT	ENT LITERATURE DOCUMENTS			
Initials* No1 item (book, magazine, journal, serial, sym	LETTERS), title of the article (when appro nposium, catalog, etc.), date, page(s), volum ty and/or country where published	priate), title of the e-issue number(s),		
MA Oracle Corporation, "Oracle® D Part No. B10698-01, December	Data Mining, Concepts," 10g Rele 2003, 118 pages.	ase 1 (10.1),		
•				
		-7		
		·		

/Mohammad Ali/

Examiner

Signature

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Date Considered

01/03/2007

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE CITATION OFF IN AN APPLICATION (PTO-1449)						SERIAL NO. 10/643,629
Barried	*6 _{11:31}		August 18, 2003 2		GROUP: 2176	
Exam. Initial*	Cite No. ¹	U.S. Patent Document Number Kind Code ² (If known)	Name of Patente of Cited De	e or Applicant	Date of Publication Cited Document MM-DD-YYYY	Lines, Where
					·	

	FOREIGN PATENT DOCUMENTS							
Exam. Cite	Foreign Patent Document			Name of Patentee or Applicant	Date of	Pages,	T ⁶	
Initial*	No.'	Office ³	Number ⁴	Kind Code ⁵ (If known)	of Cited Document	Publication of Cited Document MM-DD-YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		<u> </u>						•

	OTHER ART – NO PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²		
MA		Office Action from European Patent Application No. 01968979.3-2212, dated August 6, 2004 (3 pgs.).			
MA		Current Claims in European Patent Application No. 01968979.3-2212 (3 pgs).			

g	The state of the s		
Examiner Signature	/Mohammad Ali/	Date Considered	01/03/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.